

reacting IPDI, HDI, isocyanurates thereof or combinations of these materials with isophorone diamine (IPD) in a solvent, the isocyanate also optionally being diluted with a solvent;

heating the reaction medium for 2 to 3 hours in refluxing solvent and then cooling the reaction medium; and

separating the resulting polymer and then drying the polymer for 3 to 6 hours at 130 to 170°C in a vacuum.

BASIS FOR THE AMENDMENTS

The claims have been limited to the amine being isophorone diamine (IPD).

The claims also have been amended in a manner so as to overcome their rejection under 35 U.S.C. § 112, first and second paragraphs.

REMARKS

Favorable reconsideration of this application is requested.

Claims 1-12 are in the case.

Claim 1 stands rejected under 35 U.S.C. § 102(b) as being anticipated by Lehmann et al '494.

Claims 1-12 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Lehmann et al '852 or '494 in view of Blum '408 or Tirpak et al '230.

These rejections are traversed. Specifically, the invention relates to a polyurea comprising the reaction product of isophorone diisocyanate (IPDI), hexamethylene diisocyanate (HDI), isocyanurates thereof or combination of these materials with isophorone diamine (IPD), the polyurea having a NCO/NH₂ ratio of 0.9 to 1.1 to 1.